

I Claim

1. A traction assembly comprising a wheel comprising a wheel shaft and traction means which, when in operation, exert torque on the wheel shaft,
5 wherein the traction ratio, being the arm of the torque divided by a radius of the wheel, is larger than 0.57.

2. The traction assembly according to claim 1, wherein the traction ratio is larger than 0.65.
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3. The traction assembly according to claim 2, wherein the traction ratio is larger than 0.7.

4. The traction assembly according to claim 3, wherein the traction ratio is smaller than 1.0.
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5. The traction assembly according to claim 1, wherein the traction means comprise an electric motor.

20 6. The traction assembly according to claim 5, wherein the electric motor is a synchronous motor provided with permanent magnets.

7. The traction assembly according to claims 5 or 6, wherein the electric motor comprises a stator provided with windings which with respect to a
25 vehicle are statically arranged in the vehicle and a rotor provided with permanent magnets.

8. The traction assembly according to claim 7, comprising operating and control means for the operation of the electric motor within the stator.
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9. The traction assembly according to claim 8, wherein the rotor is arranged coaxially around the stator and connected to a drive shaft of the electric motor.

5 10. The traction assembly according to claim 1, wherein the traction means are mounted adjacent to the wheel.

11. The traction assembly according to claim 1, wherein the traction means
10 comprise a drive shaft, and the drive shaft and the wheel shaft are situated in line, in each other's extension.

12. The traction assembly according to claim 1, wherein the traction means comprise a drive shaft, wherein the drive shaft directly drives the wheel shaft.

15 13. The traction assembly according to claim 12, wherein the drive shaft is the wheel shaft.

14. The traction assembly according to claim 7, wherein the permanent
20 magnets are connected to the wheel shaft.

15. A traction assembly for a vehicle, comprising a wheel provided with a
20 wheel shaft, and an electric motor comprising a drive shaft, a rotor and a stator, wherein the drive shaft is connected to the wheel shaft for direct traction and the electric motor is arranged adjacent to the wheel.

25 16. The traction assembly according to claim 15, wherein the wheel shaft and the drive shaft are arranged in line.